


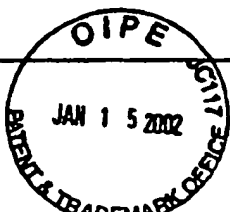
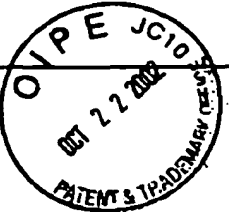


FORM PTO-1449				Atty. Docket No. LGR-002		Serial No. 09/976,549	
LIST OF PRIOR ART CITED BY APPLICANT				Applicant: Joshua B. Paul et al.			
				Filing Date: October 12, 2001		Group: 2877	
U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Grant Date	Name	Class	Sub Class	Filing Date	
oh	AA	4,793,709	12/27/88	Jabr et al.	356	445	<u> </u>
oh	AB	5,528,040	06/18/96	Lehmann	250	343	<u> </u>
oh	AC	5,912,740	06/15/99	Zare et al.	356	437	<u> </u>
	AD						
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	AI						
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FOREIGN PATENT DOCUMENTS							
Examiner Initial*	Document Number	Grant Date	Country	Class	Sub Class	Translation Yes No	
	AK						
	AL						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
oh	AM	D.A. Jackson, "The Spherical Fabry-Perot Interferometer as an Instrument of High Resolving Power for use with External or with Internal Atomic Beams", <i>Proc. of Royal Soc., London, Ser. A.</i> , 1961, Vol. 263, pp. 289-308.					
oh	AN	J.J. Scherer et al., "Cavity Ringdown Laser Absorption Spectroscopy: History, Development, and Application to Pulsed Molecular Beams", <i>Chemical Reviews</i> , 1997, Vol. 97, No. 1, pp. 25-51.					
oh	AO	D. Ramanini et al., "Diode Laser Cavity Ring Down Spectroscopy", <i>Chemical Physics Letters</i> , 1997, Vol. 270, No. 5-6, pp. 538-545.					
EXAMINER: <i>Anand Merliu</i>				DATE CONSIDERED: <i>2/20/04</i>			
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BA						
BB						
BC						
BD						
BE						
BF						
BG						
BH						
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BJ						
FOREIGN PATENT DOCUMENTS						
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BK						
BL						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
oh	BM	J. Ye et al., "Ultrasensitive Detections in Atomic and Molecular Physics: Demonstration in Molecular Overtone Spectroscopy", J. Opt. Soc. Am. B., Vol. 15, No. 1, 1998, pp. 6-15.				
oh	BN	B.A. Paldus et al., "Cavity-Locked Ring-Down Spectroscopy", Journal of Applied Physics, 1998, Vol. 83, No. 8, pp. 3991-3997.				
oh	BO	A. O'Keefe et al., "Cavity Ring-Down Optical Spectrometer for Absorption Measurements Using Pulsed Laser Sources", Review of Scientific Instruments, 1988, Vol. 59, No. 12, pp. 2544-2551.				
EXAMINER: <i>Araceli Merlin</i>				DATE CONSIDERED: <i>2/20/04</i>		
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	CA						
	CB						
	CC						
	CD						
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
FOREIGN PATENT DOCUMENTS							
Examiner Initial*	Document Number	Grant Date	Country	Class	Sub Class	Translation Yes No	
	CK						
	CL						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
ok	CM	D.Z. Anderson et al., "Mirror Reflectometer Based on Optical Cavity Decay Time", <i>Applied Optics</i> , 1984, Vol. 23, No. 8, pp. 1238-1245.					
ok	CN	A. O'Keefe et al., "CW Integrated Cavity Output Spectroscopy", <i>Chemical Physics Letters</i> , 1999, Vol. 307 (5-6), pp. 343-349.					
ok	CO	D. Herriott et al., "Off-Axis Paths in Spherical Mirror Interferometers", <i>Applied Optics</i> , 1964, Vol. 3, No. 4, pp. 523-526.					
EXAMINER: <i>Anatoly Merlino</i>				DATE CONSIDERED: <i>2/20/04</i>			
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DA						
DB						
DC						
DD						
DE						
DF						
DG						
DH						
DI						
DJ						
FOREIGN PATENT DOCUMENTS						
Examiner Initial*	Document Number	Grant Date	Country	Class	Sub Class	Translation Yes No
DK						
DL						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
ah	DM	D. R. Herriott et al., "Folded Optical Delay Lines", <i>Applied Optics</i> , 1965, Vol. 4, No. 8, pp. 883-889.				
ot	DN	K. K. Lehmann et al., "The Superposition Principle and Cavity Ring-Down Spectroscopy", <i>J. Chem. Phys.</i> 1996, Vol. 105, No. 23, pp. 10263-10277.				
ah	DO	G. Meijer et al., "Coherent Cavity Ring Down Spectroscopy", <i>Chemical Physics Letters</i> , 1994, Vol. 217, No. 1,2, pp. 112-116.				
EXAMINER: <i>Arando Merino</i>				DATE CONSIDERED: <i>2/20/04</i>		
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	AK						
	AL						
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<i>ah</i>	AM	J.B. Paul et al., "Ultrasensitive Absorption Spectroscopy with a High-Finesse Optical Cavity and Off-Axis Alignment", <i>Applied Optics</i> , Vol. 40, No. 27, Sept. 20, 2001, pp. 4904-4910.					
	AN						
	AO						
EXAMINER: <i>Anand Muthu</i>				DATE CONSIDERED: <i>2/20/04</i>			
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